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Listing first 45 summaries
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Sequence 261 from patent US 5994076.
AR090141
                                                              1 (bases 1 to 28)
Chenchik,A., Jokhadze,G. and Bibilashvilli,1
Methods of assaying differential expression
Patent: US 5994076-A 261 30-NOV-1999;
                                                                                                                                                                         AR090141.1 GI:10016896
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Result

Score

Query Match Length DB

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Description

Query Match Best Local Similarity

1.3%; Score 28; 100.0%; Pred. No.

DB 6; L . 1.8e+05;

Length 28;

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No. is the number of results predicted by chance to have a greater than or equal to the score of the result being printed, s derived by analysis of the total score distribution.

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Methods of assaying differential expression
Patent: US 5994076-A 262 30-NOV-1999;
Location/Qualifiers
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Patent: EP 0417563-A 12 20-MAR-1991;
F. HOFFMANN-LA ROCHE AG
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Sequence 262 from patent
AR090142
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1 (bases 1 to 27)
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fragment from patent EP0417563.
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1 (bases 1 to 28)
Wallach,D. and Brakebusch,C.
Multimers of the soluble forms of TNF
and pharmaceutical compositions conta
Patent: EP 0526905-A 2 10-FEB-1993
YEDA RESEARCH AND DEVELOPMENT CO. LTD
LOCATION/Qualifiers
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Scaggiante, B. and Quadrifoglio, F.
Scaggiante, B. and Quadrifoglio, F.
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Sequence 4 from Patent W09720924
A63563
                                                                                    A63563.1
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Baker, B.F. and Cowsert, L.M.
Antisense inhibition of TNFR1 expression
Patent: US 6007995-A 4 28-DEC-1999;
Location/Qualifiers
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Sequence 4 from
AR096333
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A26411.1
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25; Conservatuve
                                1 (bases 1 to 23)
Wallach,D. and Kemper,O.
Promotor sequence of the p55 tumor necrosis
Patent: EP 0606889-A 1 20-JUL-1994;
YEDA RES & DEV (IL)
                                                                                                                                                     Sequence 1 from Patent A39497
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                       Other publication
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                                                                                                                                          A39497.1
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Similarity 100.08;
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publication CA publication AU
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/db_xref="taxon:32630"
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CA 2113023 940711
AU 5307994 940714
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Sequence 2 from patent US
AR096331
                                                                                                            Campbell, R.K., Jameson, B.A. and Chappel, S. Hybrid heterodimeric protein hormone Patent: US 6193972-A 18 27-FEB-2001;
                                                                                                                                                                                                             AR131318 27 bp
Sequence 18 from patent US 6193972.
AR131318
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Baker, B.F. and Cowsert, L.M.
Antisense inhibition of TWFR1 expre
Patent: US 6007995-A 2 28-DEC-1999;
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1 (bases 1 to 26)

Wallach,D. and Brakebusch,C.

Multimers of the soluble forms of TNF receptors,
and pharmaceutical compositions containing them
Patent: EP 0526905-A 1 10-FEB-1993;
YEDA RESEARCH AND DEVELOPMENT CO. LTD
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AR134770
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Oerum, H. and Seeger C.
METHOD FOR GENERATING MULTIPLE DOUBLE STRANDED NUCLEIC ACIDS
PAtent: WO 9720068-A 3 05-JUN-1997;
BOEHRINGER MANNHEIM GMBH (DE)
Location/Qualifiers
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Sequence 7 from Patent W09720068
A62995
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Sequence 3 from Patent WO9720068
A62991
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Patent: WO 9508000-A 9 23-MAR-1995;
BIO MERIEUX (FR)
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Other publication FR 2710075
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Run on September 19, 2002, 01:03:55;
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Copyright (c) 1993 - 2000 Compugen Ltd
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              US-04-106-038A-2
US-08-810-951-18
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US-08-813-505-9
US-08-870-730-9
US-08-83-123-7
US-08-882-649A-10
US-08-08-68-747-1
US-08-08-68-747-1
US-08-08-68-747-1
US-08-08-63-74-1
US-08-113-944-4
US-08-113-944-8
US-09-149-922-42
US-09-244-794A-8
US-09-247-190-8
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US-09-149-922-41
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DENCE ADDRES EE: Fish & 2200 Sand 2200 Sand Menlo Park CA 4025 4025 4025 EIBM Comp MG SYSTEM: EFASTSEM: E: FASTSEM: E: TION NUMBER: DATE: 1100 NUMBER: DATE: 145-61-0 EIGH ABORT NUMBER: DATE: 145-81-0 EIGH ABORT NUMBER: DATE: 145-81-0 EIGH ABORT NUMBER: DATE: 145-81-0 EIGH ABORT NUMBER: 15-81-0 EIGH ABORT NUMBER: 28 base pa 11 Base pa 12 Base pa 12 Base pa 14 Base pa 15 Base pa 16 Base pa 17 EIGH ABORT NUMBER: DNA NFORMATION: 26 Base pa 16 Base pa 17 EIGH ABORT NUMBER: DNA NFORMATION:	RESULT 1 US-08-859-998-261 US-08-859-998-261 Sequence 261, Application US/08859998 Patent No. 5994076 GENERAL INFORMATION: APPLICANT: Chenchik, Alex APPLICANT: Bibilashvilli, Robert TITLE OF INVENTION: METHOD OF ASSAXING DIFFERENTIAL TITLE OF INVENTION: EXPRESSION NUMBER OF SEQUENCES: 1375	c 28 21.4 1.0 23 2 US-08-637-115-3 Sequence 3 29 21.2 1.0 30 1 US-07-862-495-4 Sequence 4 c 30 21 1.0 21 4 US-08-804-166-19 Sequence 1 c 31 21 1.0 21 4 US-08-804-166-19 Sequence 1 c 31 21 1.0 21 4 US-08-910-991-19 Sequence 1 c 32 21 1.0 29 3 US-08-910-616-6 Sequence 6 34 21 1.0 29 3 US-08-910-631A-6 Sequence 6 34 21 1.0 29 3 US-08-910-631A-6 Sequence 7 c 36 20.8 1.0 27 1 US-08-910-631A-6 Sequence 7 c 36 20.8 1.0 27 1 US-08-631A-6 Sequence 7 c 36 20.2 0.9 26 1 US-08-621-914A-3 Sequence 7 c 39 20.2 0.9 26 3 US-08-910-632-5 Sequence 5 c 39 20.2 0.9 26 3 US-08-910-632-5 Sequence 5 c 39 20.2 0.9 26 3 US-08-910-632-5 Sequence 5 C 40 20 0.9 20 1 US-08-050-3198-16 Sequence 7 c 43 20 0.9 20 1 US-08-050-3198-16 Sequence 7 c 44 20 0.9 20 2 US-08-465-982-7 Sequence 1 C 44 20 0.9 20 2 US-08-050-3198-16 Sequence 7 Sequence 7 Sequence 9 20 1 US-08-050-3198-15 Sequence 1 Sequence 1 Sequence 1 US-08-050-3198-15 Sequence 1 US-08-050-

Best Local Similarity

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US-09-225-928-261
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                               Sequence 261, Applicat Patent No. 6352829
GENERAL INFORMATION:
                                                                                                                                                                                                             Query Match
Best Local Similarity
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                                                                                                                                                     1864 tgagggacgctatgcctcatgcccgttt 1891
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ent No. 5994076
ENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-322-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 435 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION: NAME: Field, Bret E.
                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
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APPLICATION Jokhadze, Georga
APPERATION Bibilashvilli,
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                                                                                                                                       28
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SOFTWARE: FastSEQ for Windows Version 2.0
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              APPLICANT: Chenchik, Alex
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                                                                                                                                                                                                                                                                                                                                             nucleic acid
DEDNESS: single
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                                                            Application US/09225928
                                                                                                                                                                                                                                                                                                                                                                         28 base pairs
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IBM Compatible
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Jokhadze, George
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              ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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OTHER INFORMATION: oligonucleotide primer; SEQUENCE DESCRIPTION: SEQ ID NO: 261: US-09-225-928-261
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
                                                                                                                                       Bibilashvilli, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 09096/002001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-322-5070
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CORRESPONDENCE Fish & Richardson, P.C.
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
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MEDIUM TYPE: Diskette
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                                                                                                                                                                                                                   APPLICANT: Chenchik, Alex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                      TCTAAGGACCGTCCTGCGAGATCGCCTT 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 28 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/09/225,928 FILING DATE: 05-Jan-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Vergion 2.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 08/859,998 FILING DATE: 21-MAY-1997
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COUNTRY: US
                STATE: CA
                                   CITY: Menlo Par)
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                                                                                                                      OF SEQUENCES:
                                                                                                                                                                                                                                                                                  Application US/09225928
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                                                                                                                                                                                                Jokhadze, George
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100.0%; Pred. No.
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COMPUTER: IBM Compatible

CURRENT APPLICATION DATA:

OPERATING SYSTEM: Windows95 SOUTWARE: FastSEQ for Window

for Windows Version

2.0

APPLICATION NUMBER: US/09/225,928 FIGING DATE: 05-Jan-1999

<Unknown>

APPLICATION NUMBER: 08/859,998 FILING DATE: 21-MAY-1997

INFORMATION:

APPLICATION DATA:

NAME: Field, Bret E. . REGISTRATION NUMBER: 37,620

INFORMATION FOR SEQ ID NO:

ELEFAX: 415-854-0875

MUNICATION INFORMATION:

FERENCE/DOCKET NUMBER:

09096/002001

SEQUENCE

TYPE: nucleic acid STRANDEDNESS: single

ENGTH: 28 base pairs

CHARACTERISTICS:

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OTHER INFORMATION: c; SEQUENCE DESCRIPTION: SEQ US-09-225-928-262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 5
US-09-149-922-41
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                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence: Primer US-09-149-922-41
                                                                                                                                                                          SEQ ID NO 41
LENGTH: 25
TYPE: DNA
ORGĀNISM: Artificial Sequence
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Best Local Similarity
Matches 28; Conserv
                                                         Matches
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Best Local Similarity
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                                                                                                                                                                                                                                                      EARLIER APPLICATION NUMBER: 60/064,058
EARLIER FILING DATE: 1997-11-03
NUMBER OF SEQ ID NOS: 57
                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/149,922A CURRENT FILING DATE: 1998-09-09
                                                                                                                                                                                                                                                                                                                             APPLICANT: Hsing, Weihong
APPLICANT: Taggart, Pamela
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR IDENTIFYING AND MODULATING
TITLE OF INVENTION: PROTEIN-PROTEIN INTERACTIONS
FILE REFERENCE: 9366-006
                                                                                                                                                                                                                                                                                                                                                                                                        PPLICANT: Menzel, Rolf
                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1864 tgagggacgctatgcctcatgcccgttt 1891
                          248 tgtctggcatgggcctctccaccgt 272
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Pred. No.
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Pred. No.
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                                                         Mismatches
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                                                                                                                                                                                                                                                                                                     Sequence 2, Applic Patent No. 6007995
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                                                                                                                                                                                                                   TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: RITELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Laurel Spear Bernstein
REGISTRATION NUMBER: 37,280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/
FILING DATE: June 26, 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inc
                                                                                                                                                                                                   CORRESPONDENCE ADDRESS
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MEDIUM TYPE: 3.5 inch disk, COMPUTER: IBM PC compatible OPERATING SYSTEM: Windows W SOFTWARE: Microsoft Word 97 IRRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                         1 TCAGCTGCTCCAAATGCCGAAAGG 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACCUMPUTER: 3.5 inch disk, COMPUTER: IBM PC compatible OPERATING SYSTEM: Windows NO SOFTWARE: Microsoft Word 97
                                                                                                     COUNTRY: U.S.A.
ZIP: 92008
                                                                                                                                                    CITY: Carlsbad
                                                                                                                                                                  ADDRESSEE: Is1s Pharmaceuticals, Inc
STREET: 2292 Faraday Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: U.S.A.
ZIP: 92008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION:
                                                                                                                                                                                                                                                                                       INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           . Similarity 100 24; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Carlsbad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nucleic acid
                                                                                                                                                                                                                                                                                                                       Application US/09106038A
                                                                                                                                    CA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2: Isis Pharmaceuticals, 2292 Faraday Avenue
                                                                                                                                                                                                                                                    Brenda F. Baker and Lex M. Cowsert VENTION: ANTISENSE MODULATION OF TNFR1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Brenda F. Baker and Lex M. Cowsert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               603-3820
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                                                                                                                                                                                                                       EXPRESSION 91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ANTISENSE MODULATION OF THERL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . US/09/106,038A
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                                                                    1.44 Mb
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             No.
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US-09-106 038X-2

TELEFAX: (760) 603-3820 INFORMATION FOR SEQ ID NO:

CHARACTERISTICS:

aucleic acid

linear

single

TELECOMMUNICATION INFORMATION: (760) 931-9200

REFERENCE DOCKET NUMBER: RTS-0004

ATTORNEY/AGÊNT INFORMATION:
NAME: Laŭrel Spear Bernstein
REGISTRATJON NUMBER: 37,280

CLASSIFICATION:

June 26, 1998 N: 514

FILING DATE:

Matches

Conservative

0

Mismatches

.6e+03

Indels

0; Gaps

0

Length 27;

100.0%;

1.1%; Score 23; 100.0%; Pred. No.

Query Match
Best Local Similarity

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                           TELEFAX: (202) 737-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              equence 18, Application US/08804166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             tent No.
                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: CAN
MOLECULE TYPE:
                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                     TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/011,936
FILING DATE: 20 February 1996
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      526 gcttcagaaaaccacctcagaca 548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
              TOPOLOGY:
                          STRANDEDNESS:
                                                                                                                                                                                                                                                                                 CLASSIFICATION:
                                                                                                                                                                                                                                                                                               FILING DATE:
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                                                                                                                      PELEPHONE:
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                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
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                        H: 27 base pairs
nucleic acid
DEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E: BROWDY AND NEIMARK
419 Seventh Street N.W., Ste. 300
                                                                                                                                                                                                                                                                                                                                                                                                                                      USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Jameson, Bradford A.
Chappel, Scott C.
Chappel, HYBRID PROTEINS
                                                                                                         (202)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Campbell, Robert K.
                                                                                                      (202) 628-5197
(02) 737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.1%;
                                                                                                                                                                                                                                                                                                            US/08/804,166
                                                                                                                                                     CAMPBELL-2A
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RESULT 10

US-08-433-505-9/c

Sequence 9, Application US/08433505 Patent No. 5695936

GENERAL INFORMATION:

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US-08-910-991-18
                                                                               Query Match
Best Local S
                                                                    Matches
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                                                                                                                                                                                                                                                                  TELEFAX: (202) 737-35; INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tent No.
                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/804,166
FILING DATE: 20 February 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/011,936
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/910,991
                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: CA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 20 February ATTORNEY/AGENT INFORMATION:
593 agatetettettgcacagtggac 615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS
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                                                                                                                                                                                 STRANDEDNESS:
TOPOLOGY: 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ITLE OF INVENTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5 AGATCTCTTCTTGCACAGTGGAC 27
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                                                                    l Similarity
23; Conser
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6194177
                                                                                                                                                                                                                  nucleic acid
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419 Seventh Street N.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     USA
                                                               1.1%; Score 23; DB llarity 100.0%; Pred. No. 2. Conservative 0; Mismatches
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                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                      Allen C
                                                                                                                                                                                                                                                                                                                                                                                                     20 February 1996
                                                                                                                                                                                                single
                                                                                                                                                                                                                                                                                 737-3528
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                                                                                                                                                                                                                                                                                                                                                   37,971
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                                                                                  2.6e+03;
                                                                                                Length 27;
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MANDRAND, Bernard

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Best Local Similarity
                                                                                                                                                                                                                                                                                         -08-870-730-9/c
                                                                                                                                                                                                                                                          sequence 9, Ap
Patent No. 601
                                                                                                                                                                                                                                             GENERAL INFORMATION:
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                                                                                           CORRESPONDENCE ADDRESS:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                     PPLICANT:
                                                                                                                       ITLE OF INVENTION:
                                                                                                                                                  PPLICANT: PICHOT, Christian
                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 30,024
REFERENCE/DOCKET NUMBER: WPB
COUNTRY: USA
ZIP: 22320
                                                           STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
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                                                                             ADDRESSEE:
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                                             Alexandria
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BERRIDGE, WILLIAM P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NDENCE ADDRESS
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                                                           E: OLIFF & BERRIDGE,
P.O. Box 19928
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P.O. Box 19928
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                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                DELAIR, Thierry
CHARLES, Marie-Helene
EROUT, Marie-No. 601770711e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                703-836-2787
                                                                                                                                                                                                               CROS, Philippe
                                                                                                                                                                                                                            MANDRAND, Bernard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EROUT, Marie-No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patentin Release #1.0,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
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                                                                                                                      REAGENT AND METHOD FOR THE DETECTION OF A NUCLEOTIDE SEQUENCE WITH SIGNAL AMPLIFICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REAGENT AND METHOD FOR THE DETECTION OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE WITH SIGNAL AMPLIFICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9:
                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                              Score 22.6; DB 1;
Pred. No. 3.5e+03;
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 30
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                                                                                                                                           , OTHER INFORMATION: Description of Artificial Sequence: made by humans \textsc{us-09-083-123-3}
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; MOLECULE TYPE: US-08-870-730-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-083-123-3
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                                                                              Query Match
Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 3,
                                                                                                                                                                                                                                                                                         EARLIER APPLICATION I
                                                                                                                                                                                                                                                                                                                         EARLIER APPLICATION NUMBER: EP 95118600.6 EARLIER FILING DATE: 1995-11-25
                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/
CURRENT FILING DATE: 1998-05-22
                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Orum, Hendrik
APPLICANT: Seeger, Corina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 703-836-2787
                                                                                                                                                                                                              TYPE: DNA
                                                                                                                                                                                            ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                       ITLE OF INVENTION: Method for Generating Multiple Double Stranded Nucleic ITLE OF INVENTION: Acids
                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: BERRIDGE, WILLIAM P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0:
FILING DATE: 06-JUN-1997
CLASSIFICATION: 435
                1966 ttttttttgtttttgttttgttttgttttgtttt 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1966 tttttttgtttttgttttgttttgtttt 1994
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                                                                            Local
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 1 ttttttttttttttttttttttttttt 29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION:
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                                                              25; Conser
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25; Conserv
                                                                                                                                                                                                                                                                                         PPLICATION NUMBER: PCT/EP96/05149
                                                                                                                                                                                                                                                            Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Application US/09083123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                           sequence listing
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Pred. No. 3.5e+03;
                                                         Pred. No. 3.50
0; Mismatches
                                                                              Score 22.6;
Pred. No. 3
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                                                                               .5e+0
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RESULT 13 US-09-083-123-7/c

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equence 7, Application US/09083123

INFORMATION:

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Description of Artificial Sequence: made by humans 0S-09-083-123-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 25; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Orum, Hendrik
APPLICANT: Seèger, Corina
TITILE OF INVENTION: Method for Generating Multiple Double Stranded Nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               がRRENT APPLICATION NUMBER: US/09/083,123
URRENT FILING DATE: 1998-05-22
ARLIER APPLICATION NUMBER: EP 95118600.6
ARLIER 張紅 NG DATE: 1995-11-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
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                                                                                                                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/882,649A
FILING DATE: 25-Jun-1997
CLASSIFICATION: 435-006.000
                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/010,471
PILING DATE: 23-JAN-1996
APPLICATION NUMBER: US 60/035,170
FILING DATE: 09-JAN-1997
                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                             McGall, Glenn H.
TITLE OF INVENTION: NUCLEIC ACID ANALYSIS TECHNIQUES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           u, Application US/08882649A
6344316
                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                     COUNTRY: USA
ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                               STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Joe Liebeschietz
                                                                                                                                                                                                                                                                                                                                                                                                                                               OF SEQUENCES: -3
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Cronin, Maureen T.
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Pred. No. 3.5e+03;
PCT/US97/01603
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(1x) Features:
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US-08-8824649A-10
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                                                              NFORMATION FOR SEQ ID NO:
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INFORMATION FOR SEQ ID NO:
                                                                                                                                           CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1966 tttttttgtttttgttttgttttgtttt 1994
                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 1
                                               SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    y Match 1.0%;
Local Similarity 86.2%;
                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0
                                                                                                                                                                                                              APPLICATION NUMBER: FILING DATE: 28-MAN
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STRANDEDNESS:
                                                                                                                                REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
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LENGTH: 30 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 22-JAN-1997 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6, Application US/08068747
5. 5695933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION:
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           nucleic acid
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STRANDEDNESS: single
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                                                                                   617-861-9540
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                                                                                                                                                                                                             28-MAY-1993
single
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                                                                                                                                                                                                                               US/08/068,747
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Maximum Match 100%
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(c) 1993 - 2000 Compugen Ltd.
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ALIGNMENTS

ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS RESULT AZ771474 LOCUS FEATURES COMMENT DEFINITION TITLE source Mus musculus Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus AZ771474 26 bp DNA linear GSS 16-FEB-2001 1M0573108R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0573108 R, DNA sequence. Dunn, D., Aoyagi, A., Bar Islam, H., Longacre, S., High quality sequence stop: 26.
Location/Qualifiers Email: ddunn@genetics.utah.edu Insert Length: 10000 Std Error: (Plate: 0573 row: I column: 08 Seq primer: CACACAGGAAACAGCTATGACC Tel: 801 585 5606 Fax: 801 585 7177 University of Utah University of Utah Unpublished:(2000) Contact: Robert B. plasmid inserts Mouse whole genome scaffolding with paired end reads from 10kb and Wright,D.,Weiss,R. Mammalia; Eutheria; A2771474.1 nouse mouse. .ass: plasmid ends 308, Rose, M., USA Biomedical Polymers Research Bldg., /organism="Mus musculus" /strain="C57BL/6J" /db_xref="taxon:10090" /clone="UUGC1M0573I08" /clone_lib="Mouse 10kb plasmid UUGC1M library" GI:12893772 Rose, R., Stokes, R., Tingey, A., Genome Center Weiss Barber, M., Std Error: 0.00 Beacorn, T., Duval, B., Hamil, C., Meenen,E., Pedersen,T., Reilly Tingey,A., von Niederhausern,A. 20 S. 2030 E., SLC, T

musculus C57BL/6J

/note="Vector:

'lab_host="E. Coli strain XL10-Gold, T1-resistant, F 'note="Vector: PWD42nv; Purified genomic DNA from M

(male) was obtained

from the Jackson

VERSION KEYWORDS BASE COUNT ORIGIN REFERENCE DEFINITION FOCUS AZ458127 RESULT ACCESSION TITLE AUTHORS ORGANISM Query Match Best Local : 1976 ttttgttttgttttgtttttttt 1999 source Local Similarity N A2458127

1M0261I24R Mouse 10kb plasmid UUGC1M clone UUGC1M0261I24 R, DNA sequence.
A2458127 Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: (
Plate: 0261 row: I column: 24
Seq primer: CACACAGGAAACAGCTATGACC and Wright, D., Weiss, R Dunn,D., Aoyag1,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. Mus musculus AZ458127.1 University of Utah University of Utah Unpublished (2000) Mouse whole genome scaffolding with paired end reads from 10kb Eukaryota; Mammalia; E nouse mouse. lass: plasmid ends (bases 1 to 30) tact: Robert B. 308, quality sequence stop: 30.
Location/Qualifiers USA Biomedical Polymers Research Bldg., 20 S. chemically-competent E. coli XIIO-Gold (Stategene) cells and selected for ampicillin resistance." of pWD42 (g1|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and was blunt end-repaired with T4 DNA polymerage and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 topurified. 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD43 (g1|4732114|gb|AF129072.1), a copy-number adaptored vector DNA, (http://www.jax.org/resources/documents/dnares/). The DNA /db_xref="taxon:10090" /clone="UUGC1M0261124" organism="Mus musculus"/strain="C57BL/6J" Eutheria; Laboratory Mouse DNA Resource Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus hydrodynamically sheared by repeated passage through a 5 inch orifice at constant velocity. The sheared DNA 1.1%; The sheared, adaptored mouse DNA was annealed to Genome Center Weiss 0,: Score 24; Pred. No. Std Error: 0.00 Mismatches UUGC1M library Mus musculus genomic and transformed into DB 12; 3.6e+06; Length 26 Indels 2030 GSS '04-OCT-2000 0 E., SLC, UT Gaps Reilly 0

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> ORIGIN BASE COUNT adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwp42 (g114732114|gb|AF129072.1), a copy-number inducible derivative of plasmid Rl. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into was hydrodynamically sheared by repeated passage through 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The /clone_lib="Mouse 10kb plasmid UUGC1M|library" /sex="Male" Laboratory Mouse DNA Resource musculus C57BL/6J /lab_host="E. /www.jax.org/resources/documents/dnares/). The DNA Coli strain XL10-Gold, T1-resistant, F-" PWD42nv; Purified genomic DNA from M. /6J (male) was obtained from the Jackson

RESULT 1968 tttttgttttgttttgttttgttttgtt 1997 1 TETTTTTTTTTTTTTTTTTTTTTTTTTTTTT 30

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Query Match

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Mismatches

1.1%;

Score 23,6; Pred. No. 4

4.1e+06; DB 12;

Length 30;

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JOURNAL COMMENT VERSION KEYWORDS FEATURES REFERENCE SOURCE AZ419708 DEFINITION ACCESSION TITLE AUTHORS ORGANISM source Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: (
Plate: 0196 row: A column: 04
Seq primer: CACACAGGAAACAGCTATGACC Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,H., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Welss,R. AZ419708 28 bp DNA linear GSS 03-OCT-200 1M0196A04R Mouse 10kb plasmid UUGCLM library Mus musculus genomic clone_UUGCLM0196A04 R, DNA sequence. University of Utah Genome Center University of Utah Rm. 308, Biomedical Polymers Research Bldg., Mus musculus High quality sequence stop: 28 Contact: Robert B. Mouse whole genome Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus 1 (bases 1 to 28) AZ419708.1 GI:10543817 AZ419708 Unpublished plasmid inserts nouse mouse. lass: plasmid ends USA /organism="Mus musculus" /strain="C57BL/6J" /db_xref="taxon:10090" ocation/Qualifiers (2000) Weiss scaffolding with paired end reads from 10kb Std Error: 0.00 20 S. 2030 E., GSS 03-OCT-2000 SLC, TD

יקפאב" אמזפי. Abab_host="E. Coli strain XL10-Gold, T1-resistant, F. Yash_host="E. Coli strain XL10-Gold, T1-resistant, F. Yash-host-"E. Yash-host-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

clone="UUGC1M0196A04"

/sex="Male"

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1M0150D21F Mouse 10kb plasmid UUGCIM library
clone UUGCIM0150D21 F, DNA sequence
                                                                                                                                                                                                                                                                                                                                     Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
                                                                                                                                                                                                                                           Tel: 801 585 5606
Fax: 801 585 7177
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                                                                                                                                              Seq primer: CGTTGTAAAACGACGGCCAGT
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/organism="Mus musculus"
/strain="C57BL/6J"
                                                                      Location/Qualifiers
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                                                                                                                                                                                                                                     University of Utah of University of Utah Rm. 308, Biomedical 84112, USA
                                                                                                  Email: ddunn@genetlcs.utah.edu
Insert Length: 10000 Std Error: (
Plate: 0188 row: G column: 12
Steg primer: CACACAGGAAACAGCTATGACC
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AZ414283
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Fax: 801 585 7177
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Contact: Robert B.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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Pred. No. 5.9e
0; Mismatches
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                                                                                                                                                  Std Error: 0.00
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                                                                                                                                                                                                                                                              2030 E.,
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/strain="C57BL/6J" /db_xref="taxon:10090" /clone="UUGC1M0188G12"

/clone_lib="Mouse 10kb plasmid UUGCIM library"

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JOURNAL
COMMENT
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AZ451930
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VERSION
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source
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                                                                   Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0251 row: E column: 05
Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
                                                                                                                                                                                                                                                                            Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Res
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahhoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
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Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1M0251E05R Mouse 10kb plasmid UUGC1M clone UUGC1M0251E05 R, DNA sequence.
                High quality sequence stop: 29
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                               Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                     Mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                             and Wright, D., Weiss, R.
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1 (bases 1 to 29)
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801 585 7177
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                                                                                                                                                                                                                                                                                                                                                                                                                               whole genome scaffolding with paired end reads from 10kb
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/note-"Yector: PWD42nv; Purified genomic DNA from M.
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Pred. No. 5.9e+06;
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ACCESSION VERSION KEYWORDS

REFERENCE

AUTHORS

FEATURES

High quality sequence stop: 29.
Location/Qualifiers

COMMENT

JOURNAL

TITLE

RESULT AZ468402

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Matches

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25; Conserv
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29 t
1M0281G24F Mouse 10kb plasmid
clone UUGC1M0281G24 F, DNA sec
Plate: 0281 row: G column: 24
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
                                                                    University of Utah University of Utah
                                                                                                                                                                                                                                                                                Unpublished (2000)
                                                                                                                                                                                                                                                                                                        plasmid inserts
                                                                                                                                                                                                                                                                                                                           Mouse whole genome scaffolding with paired
                                                                                                                                                                                                                                                                                                                                                    and Wright,D.,Weiss,R.
                                                                                                                                                                                                                                                                                                                                                                     Dunn,D., Aoyag1,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Rein, Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern
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                                                                                                                                                                                                                                                            Contact: Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mammalia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                umalia; Eutheria; (bases 1 to 29)
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801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          was blint end repaired with 74 DNA polymerase and 74 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.3 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative electrophoresis. Vector DNA was prepared from a derivative inductble derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coll XIIO-Gold (Stratagene) cells and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA
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/strain="C57BL/6J"
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Pred. No. 5.9e+06;
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                                            Plate: 0315 row: N column: 21 Seq primer: CGTTGTAAAACGACGGCCAGT
                                                                                                                                           Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                      Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
                                                                                                                                                                                                                                                                                                                                Mouse whole gen
plasmid inserts
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and Wright,D.,Weiss,R.
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Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AZ486793 29 bp DNA linear GSS 05-OCT-200100315N21F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0315N21 F, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       . Similarity
25; Conser
                                                                                         Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
                                                                                                                                                                                                                                                                                                              Unpublished (2000)
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quality sequence stop: 29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from derivative of pND42 (gi|473214|pb|sh7129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and
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musculus C57BL/6J (male) was obtained
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/db_xref="taxon:10090"
/clone="UUGC1M0281G24"
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/note="Vector: PWD42nv; Purified genomic DNA_from M
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Pred. No. 5.9e+06;
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1M0540K20F Mouse 10kb plasmid UUGC1M library Mus musculus
clone UUGC1M0540K20 F, DNA sequence.
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error:
Plate: 0540 row: K column: 20
Seq primer: CGTTGTAAAACGACGGCCAGT
                                                                                           Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                 Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus 1 (bases 1 to 29)
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University of Utah
                                                                                                                                                                                                                                                           Unpublished (2000)
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/clone="UUGC1M0315N21"
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Pred. No. 5.9e+06;
0; Mismatches 4
                                            Std Error: 0.00
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Euthoria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
1. (bases 1 to 29)
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Seq primer: CACACAGGAAACAGCTATGACC
                      Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0026 row: I column: 13
                                                                                                Tel: 801 585 5606 Fax: 801 585 7177
                                                                                                                                                                                        Contact: Robert B.
University of Utah
University of Utah
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                                                                                                                                                                                                                                                                                                               Mouse whole genome scaffolding with paired end
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/clone="UUGC1M0540K20"
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/strain="C57BL/6J"
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Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error:
Plate: 0068 row: I column; 02
                                                                                                                                                               University of Utah University of Utah
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Contact: Robert B.
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                                                                   Tel: 801 585 5606
Fax: 801 585 7177
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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/note="Vector: PWD42nv; Purified genomic DNA from M;
musculus C57BL/6J (male) was obtained from the Jackson
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/clone="UUGC2M0026113"
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/strain="C57BL/6J"
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Pred. No. 5.9e+06;
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High quality sequence stop: 29.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AZ812242 29 bp DNA linear GSS 20-FEB-20 2M0078J15R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0078J15 R, DNA sequence.
                                                                                                                                   University of Utah Genome University of Utah
                                               Tel: 801.585 5606
Fax: 801 585 7177
                                                                                                                                                                                   Contact: Robert B.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae;
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Email: ddunn@genetics.utah.edu
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/strain="C57BL/6J"
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/clone="UUGC2M0068I02"
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Class: plas
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Islam,H., Longacre,S., Mahmoud,M., Meenen,E.,
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and Wright,D.,Weiss,R.
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Contact: Robert B.
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/clone="UUGC2M0078J15":
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ddunn@genetics.utah.edu

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FEATURES

High quality sequence stop: 29 Seg primer: CACACAGGAAACAGCTATGACC

Cocation/Qualifiers

lass; plasmid ends

Insert Length: 10000 Plate: 0180 row: L

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RESULT 14
TA334G09Q
                                                                                                                                                                                                                                                                                                              REFERENCE
AUTHORS
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ORGANISM
                                                                                                                        COMMENT
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Best Local
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                                                                                                                                                                                                                                            TITLE
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                                         Constructed at the Institute for Genomic Research Rockville, MD. Genomic DNA isolated from a cloned Trypanosoma brucei (TREU927/4 GUTat 10.1) was mech to give a tight size distribution (
                                                                                                                                                                                      Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
                                                                                                                                                                                                                                                        Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R., Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L., Melville, S.E., Rajandream, M.A. and Barrell, B.G.
                                                                                                                                            nhl@sanger.ac.uk
                                                                                                                                                        project, Sanger Centre, The Wellcome Trust Genome
Cambridge CB10 ISA, E-mail: barrell@sanger.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                         Trypanosoma brucei
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      T. brucei sheared genomic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TA334G09Q
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                                                                                                                                                                                                                                                                                                                                                             rrypanosoma,
                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inductble derivative of plasmid RI. The vector was ligated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       polynucleotide kinase. Adafftor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5
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/strain="C57BL/6J"
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/clone="UUGC2M0180L02"
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'note="Vector: PWD42nv; Purified genomic DNA from M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         'sex-"Male"
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Query Match

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                                                                                                                                                                                                                                                                                                                                                Homo sapiens (humau,
                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens mRNA; EST DKFZp566I1846_r1
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12-MAR-1999
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                                                                                                                                                                           contact the RZPD:
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strain="TRE0927"
/db_xref="taxon:5691"
/clone="334909"
a 0 c 0 g 2
                                    Xl-2blue; sites NotI + SalI"
/dev_stage="fetal"
                                                         /organism="Homo sapiens"
/clone="DKFZp56611846"
/clone_lib="566 (synonym:
                                                                                                                                     Location/Qualifiers
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                                                                                                 /db_xref="taxon:9606"
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                        "tissue_type="kidney"
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Search completed: September 19, 2002, 01:56:34 Job time: 8314 sec Best Local Similarity 86.2%; Pred. No. 5.8e+06; Matches 25; Conservative 0; Mismatches 4; Indels

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Scoring table
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/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA2001A.DAT:*
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Dembic 2,		NN LA ROCHE		90CH-00007	89CH-0003319.	90CH-0001347.		90EP-0116707.									.agnosis; ss	merulonephi	ory; antima	s factor bi				(first entry)			٩	standard; DNA; 27 BP.		
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Σ,	:																	ia;	iept i			probe								
Loetscher H;			•															autoimmune glomerulonephritis; cerebral malaria; immune response;	<pre>anti-inflammatory; antimalarial; treatment; septic shock; inflamm</pre>	insoluble protein; a		ĕ.								

ΡI

Schlaeger .E;

Example 8; Page 12; 25pp; German

New insoluble proteins, and fragments, that bind to tumor necrosis factor, used to treat e.g. septic shock or cerebral malaria

WPI; 1999-480840/41

their (in) soluble fragments (Ia) and their salts that can bind tumour necrosis factor (TNF). The products of the invention have anti-inflammatory and antimalarial activity. (I) and (Ia) are used (i) to tree diagences in which TNF is involved (e.g. septic shock, autoimmune glome diagences in which TNF is involved (anti-agonises and inflammation), (Ii) to identify TNF (anti-agonists and (iv) for diagences determination of TNF in body fluids. Antibodies raised against (I) are used for affinity purification of (I). This sequence represents a probe used in the method of the invention.

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364 agggagaagagagatagtgtgtgtccc 1 agggagaagagagatagtgtgtgtccc

27 390 Matches Query Match Best Local (

Similarity

1.2%;

Score 27; DB 20; Pred, No. 5e+03:

Length 27;

Conservative

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Mismatches

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Indels

0; Gaps

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Sequence

27

BP;

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3 C;

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AAH48867

AAH48867 standard;

DNA;

27

₽P

TNF; tumor necrosis factor binding p
insoluble protein; antiinflammatory;

factor binding protein; TNFBP; treatment;

antibacterial;

Human 55 kD 12-NOV-2001 AAH48867;

TNFBP probe DNA

(first entry)

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12-SEP-1989;
08-MAR-1990;
20-APR-1990;
31-AUG-1990;
                                                                                      Brockhaus
                                                                                                                                                                                                            EP1132471-A2
                                                                                                                                                                                                                                             autoimmune glomerulonephritis;
                                                                                                                                                                                                                                                       antiprotozoal; treatment; meningococcal
This invention describes novel insoluble proteins (I), also their
                 Example 8; Page 13;
                                                             WPI; 2001-559312/63
                                                                            Schlaeger
                                                                                                                                                                                           12-SEP-2001.
                                                                                                                                                                                                                             Homo sapiens
                                  New homogeneous, insoluble proteins that bind tumor necrosis factor (TNF), useful for treating TNF-mediated disorders, e.g. inflammation
                                                                                                                         31-AUG-1990,
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cal sepsis; cerebra.
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The invention relates to CadC-fusion polypeptide nucleic acid constructs, which are used to transform cells to produce systems for identifying compounds which modulate interactions between protein sequences. The CadC-fusion polypeptides comprise a periplasmic domain, a transmembrane domain and a CadC transcriptional regulatory domain. Cells transformed with nucleic acid encoding the fusion proteins and a cadah reporter construct can be used for identifying compounds which modulate a specific

This sequence represents a PCR primer used in CadC-fusion polypeptide.

the construction

of.

New CadC-fusion polypeptide nucleic acid constructs

Example;

Page 83; 123pp; English.

WPI; 1999-313305/26

Hsing W,

Menzel R,

Taggart PA;

protein-protein interaction such as modulation of interactions between protein sequences involved in receptor interactions, e.g. dimerisation. Such methods can be used for identifying ligands for orphan receptors.

sensitive

receptors and the

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                                                                                                                                                                                                                                                                                                                                                                                                                         CadC; fusion protein; erythropoletin receptor dimerisation domain; protein-protein interaction; periplasmic domain; transmembrane dom
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (in)soluble fragments and pharmaceutically acceptable salts, able to bit tumor necrosis factor (TNF) and in homogeneous form. The products of the invention have antiinflammatory, immunosuppressive, antibacterial, antiprotozoal activity. (I) and related recombinant proteins, are used
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03-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
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Matches 25
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                                                                            The present invention relates to polymorphic variants of the tumour necrosis factor receptor 1 (TNFR1) gene. The sequence of the gene is given in AAA95107, AAA95103 and AAA95104. The polymorphisms were identified by amplifying and sequencing regions of the gene. Twelve polymorphic loci were discovered. Of these twelve polymorphisms, four cause a change in the TNFR1 protein. The present sequence is a primer used to amplify part of the TNFR1 gene. The TNFR1 polymorphisms may be useful for studying the biological function of TNFR1 as well as for identifying drugs targeting the protein for treatment of disorders related to its abhormal expression or function such as tumours, apoptosis related disorders and bacterial infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 25 BP; 2 A;
                                                                                                                                                                                                                                                  Polynucleotides comprising polymorphic variants of a reference sequence for tumour necrosis factor receptor 1 (TNFRI), useful for studying the biological function of TNFRI and identifying drugs targeting the protein for treating disorders
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(NAND/) NANDABALAN K.
(SCHU/) SCHULZ V P.
(STEP/) STEPHENS J C.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  σ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              infection; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  of TNFR1
                                                         other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          polymorphism; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.4e+04;
                                                                                                                                                                                                                                                                                                                                  Chew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gene
                      Length 25;
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AAQ11261/
ID AAQ1
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AC AAQ1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT
                                                            RESULT
                                                                                                                                                                               Query Match
Best Local
                                                                                                                                                                                                                                                          gene therapy and in screening for modulators. This is used for treating metabolic, proliferative, or endocrine disorders like diabetes, obesity, porphyria, phenylketonuria and arrhythmias. The present sequence is that primer, used for amplification of tumour necrosis factor (TNF) alphaR extracellular domain (ECD) fragments, D1-V84 and D1-L154. The amplified products can be used to produce MalE fusion plasmids.
                                                                                                                                                                                                                                                                                                                                                          The patent discloses methods for determination of protein function and identifying modulators. This involves use of tagged dominant negative element (TDNE) that interferes with the interaction between a target a partner protein comprising expressing TDNE in a microbial cell, measuring reporter gene expression and comparing the level to a expression level obtained in the absence of TDNE. The TDNEs are used in the absence of TDNE in the total for the treatment of the total forms.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCR primer; modulator; protein function; metabolic disorder; diabetes; tagged dominant negative element; TDNE; gene therapy; porphyria; prolyterative disorder; endocrine disorder; obesity; phenylketonuria; arrhythmia; tumour necrosis factor alpha; TNF alpha; human ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           XbaI primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-MAY-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAZ50185
                               AAQ11261
                                                                                                                                                                                                                                            Sequence 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 6; Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                for use in determ:
treating diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Identification modulatory elements of functional protein interaction for use in determining biological activity of the protein and for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2000-182729/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Menzel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SMAL-) SMALL MOLECULE THERAPEUTICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-JUL-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-FEB-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200005417-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
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                                                                                                                    373 agagatagtgtgtgtccccaaggaa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            855 gaatgttaagggcactgaggactca
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                                                                                                 6-agagatagtgtgtgtccccaaggaa
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                                                                                                                                                                l Similarity 100.
25; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    standard;
                                standard;
                                                                                                                                                                                                                                            BP; 8 A; 6 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for D1-V84 and D1-L154 fragment amplification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    78;
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                               DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  104pp;
                                                                                                                                                                             1.2%;
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                                                                                                                                                                                                                                            9 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    English.
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                                                                                                                                                                               Score 25;
Pred. No.
                                                                                                                                                                                                                                            7 T;
                                                                                                        30
                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                            0 other;
                                                                                                                                                                               DB 21;
1.5e+04;
                                                                                                                                                                                               Length
                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                         target and
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AAQ11261

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13-MAY-1991

ू (first

entry)

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                                                                                                                                                                                                                                 RESULT
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Best Local Similarity
Matches 24; Conserv
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18-JUL-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-Jul 1390
                                                                                                                                                                                                                                                                                                                                             Sequence 24 BP; 4 A; 8 C; 7 G;
                                                                                                                                                                                                                                                                                                                                                              The sequence corresponds to bases 671-694 of AAQ10878. It was used isolate clones conty the sequence for the 30 kD TNF inhibitor from a human genomic library. The whole gene can be inserted into expression vectors for prepn. of TNF inhibitor for use in the treatment of inflammatory and degenerative diseases. See also AAQ11256-Q11267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-JAN-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic .
                 (ISIS-) ISIS PHARM INC
                                  26-JUN-1998;
                                                     26-JUN-1998;
                                                                       28-DEC-1999
                                                                                         US6007995-A
                                                                                                                                                      Human TNFR1 DNA hybridising probe
                                                                                                                                                                          31-MAR-2000
                                                                                                                                                                                             AAZ48478;
                                                                                                                                                                                                              AAZ48478 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Page 53; 142pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                and -beta,
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tumour necrosis factor inhibitor - for suppression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AU9058976-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tumour necrosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Probe
                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                         460 tacaatgactgtccaggcccgggg 483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11-DEC-1989
                                                                                                                             inflammation;
                                                                                                                                      Fumour
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SYNE-) SYNERGEN INC
                                                                                                                                                                                                                                 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1991-073847/11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              for clone encoding 30kD TNF inhibitor
                                                                                                                             necrosis facto
                                                                                                                                                                                                                                                                                                                                                                                                                                                useful as therapeutic agent.
                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               90US-0479661.
89US-0381080.
89US-0450329.
                                  98US-0106038
                                                    98US-0106038
                                                                                                                            factor receptor type 1; INFR1;
umour formation; INFR1; anticanc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    90AU-0058976.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             factor; inhibitor; ss
                                                                                                                                                                                                              DNA;
                                                                                                                                                                                                                                                                                                        1.18;
                                                                                                                                                                                                              24
                                                                                                                                                                                                              ВP
                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                        Score 24;
Pred. No.
                                                                                                                                                                                                                                                                                                                                             5 T; 0 other;
                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                             anticancer;
                                                                                                                                                                                                                                                                                                        2.3e+04;
                                                                                                                                                                                                                                                                                                                 DB 12;
                                                                                                                                                                                                                                                                                                                Length 24
                                                                                                                                                                                                                                                                                               Indels
                                                                                                                            probe;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         of
f
                                                                                                                                                                                                                                                                                                                                                                                                                                                        TNF-alpha
                                                                                                                                     infection;
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WPI; 2000-105333/09
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Antisense inhibition of tumor necrosis diagnosis, treatment and prevention of factor type 1 expression for disease, particularly tumors

Example 14; Column 28; 34pp; English.

The invention provides antisense compounds targeted to human tumour necrosis factor receptor type 1 (TWFRI) RNA. These antisense compounds can be used in a method of inhibiting the expression of TMFRI human cells or tissues. The antisense compounds specifically hybridize with one or more nucleic acids encoding TMFRI modulating the function of nucleic acid molecules encoding TMFRI modulating the function of TMFRI produced. The antisense compounds and method are useful as research reagents and diagnostics, and in the treatment and prophylaxis of infection, inflammation or tumour formation. The present sequence represents a probe hybridising to the human TMFRI DNA. represents a probe hybridising compounds human cells

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Sequence 24 BP; 7 A; 7 C; 6 G; 4 T; 0 other;

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                δ
                                 Query Match
Best Local S
Matches 24
        554 teagetgeteeaaatgeegaaagg 577
μ
tcagctgctccaaatgccgaaagg
                                         Similarity
                               1.1%;
ilarity 100.0%;
Conservative (
                                  0
                                         Score 24;
Pred. No.
24
                                  Mismatches
                                         DB 21;
2.3e+0;
                                          3e+04;
                                                 Length 24;
                                 0,
                                 Gaps
                                  0;
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AAC83958/c
ID AAC83958 standard;
                             RESULT
AAC83958
                             8
              DNA;
              24
              BP.
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02-MAR-2001 (first entry) #6

Human 30 kDa TNF inhibitor probe

TNF inhibitor; antiinflammatory; Tumour
IL-1; inflammatory disease; degenerative degenerative Necrosis Factor; interleukin; disease; human; probe; ss.

Homo sapiens

XXXX

XZXX 3 X US6143866-A.

07-NOV-2000

09-JUL-1 19-ЛИТ-1990; 19-JAN-1995; 1993; 95US-0375242

18-JUL-1989; 11-DEC-1989; 07-FEB-1990; 90US-0555274. 93US-0090366. 89US-0381080. 89US-0450329. 90US-0479661.

(AMGE-) AMGEN INC.

Squires C, King Vanderslice RW, MW, Hale KK, Brewer MT, Vannice J, Kohno T; Thompson RC

WPI; 2001-006443/01.

Novel 30 kDa tumor necrosis factor inhibitor analog comprising non-native cysteine residue cross-linked with polyethylene glyouseful for treating inflammatory and degenerative diseases mediated. glycol, mediated βģ

Example 6; Column 28; 82pp; English

Baker BF,

Cowsert LM;

The present invention relates to Tumour Necrosis Factor (TNF) inhibitors

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AAT93813
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RESULT
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            a'', b'', c
each other;
                                        Novel phosphodiesteric oligonucleotides AAT93811-27 are based on the generic formula, in the 3'-5' or 5'-3' direction:
(GaTa')a''-(GbTb')b''-(GCTc')c''-(GdTd')d''-(GGTc')e''-(GfTf')f''-
(G-gTg')g''-N', where:
N and N' = T or G, equal or different from each other;
x = 0-8, equal or different from each other;
a, b, c, d, e, f, and g = 0-10, equal or different from each other.
b', c', d', e', f', and g' = 0-30, equal or different from each other.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (see AAB37676 and AAB37685), which have TNF inhibitory activity inconvel TNF inhibitors of the present invention are useful as therapeutic agents for inhibiting the activity of TNF and interleukin (IL-1), and for treating inflammatory and degenerative diseases mediated by TNF. The treating inflammatory and degenerative diseases mediated by TNF. The coding sequence for 30 kDa TNF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 24 BP; 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            present sequence
inhibitor (MAC839
                                                                                                                                                                        New phospho:di:esteric oligo:nucleotide(s) and selective cytotoxic effect on tumour of solid and liquid tumours
                                                                                                                                                                                                                       WPI;
                                                                                                                                                                                                                                             Quadrifoglio F,
                                                                                                                                                                                                                                                                                            04-DEC-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Phosphodiester;
tumoural cell li
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Antitumoural
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-FEB-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAT93813;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAT93813 standard;
                                   other;
                                                                                                                                                   Claim 10; Page 5;
                                                                                                                                                                                                                                                                                                                   04-DEC-1996;
                                                                                                                                                                                                                                                                                                                                          12-JUN-1997.
                                                                                                                                                                                                                                                                                                                                                                 WO9720924-A1
                                                                                                                                                                                                                                                                    (SAIC-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        lymphoblastic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NE alpha.
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 oligonucleotides are
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                                                                                                                                                                                                                       1997-319771/29
                                                                                                                                                                                                                                                                    SAICOM
                       , c',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      phosphodiester
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; selective binding; cell
line; cytotoxic activity;
                                                                                                                                                                                                                                                                                          95IT-0MI2539
                                                                                                                                                                                                                                                                                                                   96WO-EP05388
                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
1..28
                                                                                                                                                                                                                                                                                                                                                                                        /*tag=
/note=
                                                                                                                                                                                                                                             Scaggiante
                                                                                                                                                   38pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             probe for the nd AAB37676).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SS
                                                                                                                                                                                                                                                                                                                                                                                        "phosphodiester oligonucleotide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28
                        Ħ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7 G;
 believed
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      oligonucleotide 3 with
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Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                the coding sequence
5). The 30 kDa TNF in
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                       g,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . 24;
No.
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 selectively bind and sequester
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    viability; growth;
tumour cell; lymph
                                                                                                                                                                                     cells,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .3e+04;
                                                                                                                                                                                                which exert
                     equal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cytotoxic activity.
                        압
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (IL-1), and
ced by TNF. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                inhibit
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Brockhaus Schlaeger

in z

Dembic

2,

Gentz R,

Lesslauer

ξ

Loetscher

WPI; 1999-480840/41

New insoluble proteins, and fragments, that factor, used to treat e.g. septic shock or o

t bind to

malaria tumor necrosis

Example

Page 16;

25pp;

German

This invention describes novel homogeneous insoluble proteins (I), their (in)soluble fragments (Ia) and their saits that can bind tumour necrosis factor (TNF). The products of the invention have anti-inflammatory and antimalarial activity. (I) and (Ia) are used (I) to treat diseases in which TNF is involved (e.g. septic shock, autoimmune slomerulonephritis, cerebral malaria, immune responses and inflammation). (ii) to purify TNF, (iii) to identify TNF (ant)agonists and (Iv) for diagnostic determination of TNF in body fluids. Antibodies raised against (I) are used for affinity purification of (I). This sequence represents a PCR primer used in the amplification of the TNF binding protein of the

Sequence

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BP;

Α,

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RESULT 10
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Best Local S
Matches 24
                                                                                                                                                                                                                                 20-APR-1990;
12-SEP-1989;
08-MAR-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               some proteins which are essential to the viability and growth of tumoural cell line. They have specific and selective cytotoxic active against tumour cells, and can be used for treating tumours of the litype, in particular of lymphoblastic origin, and of solid type, in particular of the present phosphodiester oligonucleotide, at particular lymphomas. The present phosphodiester oligonucleotide, at concentration of 15 migromolar, reduced growth of CCRF-CEM tumoural
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                      31'-AUG-1990;
                                                                                                                                                                                                                                                                                        01-SEP-1999
                                                                                                                                                                                                                                                                                                         EP939121-A2
                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                     antagonist;
                                                                                                                                                                                                                                                                                                                                                             autoimmune glomerulonephritis;
                                                                                                                                                                                                                                                                                                                                                                      anti-inflammatory;
                                                                                                                                                                                                                                                                                                                                                                               Tumour
                                                                                                                                                                                                                                                                                                                                                                                                 Human 55kDa
                                                                                                                                                                                                                                                                                                                                                                                                                   18-OCT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                    AAZ09169;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAZ09169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cells
                                                                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                (HOFF ) HOFFMANN
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                                                                                                                                                                                                                                                                                                                                                                               necrosis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28
                                                                                                                                                                                                                                                                                                                                                                                                                                                      standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   78%, which is detectable 48 hours after administration
                                                                                                                                                                                                                                                                                                                                                                                               tumour necrosis factor binding protein PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP; 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                90CH-0001347.
89CH-0003319.
90CH-0000746.
                                                                                                                                                                                                                                                                      90EP-0116707
                                                                                                                                                                                                                                                                                                                                                                               factor binding
                                                                                                                                                                                                                LA ROCHE & CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Α.
                                                                                                                                                                                                                                                                                                                                                                   antimalarial; treatme
                                                                                                                                                                                                                                                                                                                                                                                                                                                      DNA;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . 1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26
                                                                                                                                                                                                                                                                                                                                                              l; treatment; septic cerebral malaria; in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22 T; 0 other;
                                                                                                                                                                                                                  å
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                              TNF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 18; 1
2.5e+04;
                                                                                                                                                                                                                                                                                                                                                                       insoluble protein; agonist;
septic shock; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
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Query Match Best Local :

Simplarity

1,1%;

Score 23.8; Pred. No. 2.

.8e+04

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20;

Length

29;

Indels

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Gaps

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Conservative

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Mismatches

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           Query Ma
Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-SEP-1989;
08-MAR-1990;
                                                                                                          to treat diseases mediated by TNF, e.g. shock in cases of meningococcal sepsis; development of autoimmune glomerulonephritis and cerebral malaria. Also (I), or antibodies specific for them, are used for diagnostic determination of TNF in body fluids, for affinity purification of TNF and for identifying (ant)agonists of TNF. This sequence represents a PCR primer used in the amplification of the human 55 kD TNFBP described in the method of the invention.
                                                                                                                                                                                                        This invention describes novel insoluble proteins (I), also their (in) soluble fragments and pharmaceutically acceptable salts, able to bind tumor necrosis factor (TMF) and in homogeneous form. The products of the invention have antiinflammatory, immunosuppressive, antibacterial, antiprotozoal activity. (I), and related recombinant proteins, are used the products are activity.
                                                                                                                                                                                                                                                                                                                                                                                                    Brockhaus
Schlaeger
                                                                                                                                                                                                                                                                                                                              New homogeneous, (TNF), useful fo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAH488 BB standard; DNA;
                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-559312/63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antiprotozoal; treatment; meningococcal sepsis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAH4.8868
                                                                                                                                                                                                                                                                                                   Example 11; Page 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             31.-AUG-1990;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               autoimmune glomerulonephritis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human
y Match
: Local Similarity
ches 25; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                               (HOFF )
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31-AUG-1990;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        insoluble protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         を

CTGAGGACTCAGGCACCACAGAGCTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          tumor necrosis factor binding protein; TNFBP; treatment luble protein; antiinflammatory; immunosuppressive; anti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       55
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                                                                                                                                                                                                                                                                                                                                 for
                                                                                                                                                                                                                                                                                                                                                                                                                    Dembic
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90EP-0116707.
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90CH-0000746.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99EP-0100703
                                                                                                                                                                                                                                                                                                                              insoluble 
r treating
                                                                                A; 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    extracellular fragment PCR primer 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                ROCHE &
                                                                                                                                                                                                                                                                                                26pp;
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                                                                                                                                                                                                                                                                                                                                                                                                                   Gentz R,
                                                                                  9
                                                                                                                                                                                                                                                                                                 German
                                                                                                                                                                                                                                                                                                                              TNF-mediated disorders, (
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                                                                                G;
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          Score 23:8; I
Pred. No. 2.8e
0; Mismatches
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                                                                               T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                             Lesslauer W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       immunosuppressive; antibacterial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               83
                                                                                                                                                                                                                                                                                                                                                                                                                    Loetscher
                                                                                                                                                                                                                                                                                                                              ø
                                                                                                                                                                                                                                                                                                                              necrosis factor e.g. inflammation
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869 ctgaggactcaggcaccacagtgctgt

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.8e+04

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Indels

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Gaps

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ВВ

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Length

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ÆESULT 12
AAQ11256/c
ID AAQ11256:
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                                                                                                                                                                                                                RESULT
                                                                                                                                                                                                   AAQ69116,
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Best Local S
Matches 23
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18-JUL-1989;
11-DEC-1989;
       5' flanking region; p55 tumour necrosis factor receptor; TNF-R; promoter; CAT reporter gene; human; HeLa cell; mouse; A9 cell; transcription start point; S1 nuclease digestion; U 937 cell; probe; multiple start sites of transcription; house keeping gene; hypoxanthine phosphoribosyltransferase; EGF receptor; NGF receptor; p55 IL-1 receptor; TATA box; CCAAT motif; methylation; ss.
                                                                                                     p55 TNF-R gene 5'
                                                                                                                                                                                                                                                                                                                                                                                                                    expression vectors for prepn. of TNF inhib-
treatment of inflammatory and degenerative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tumour necrosis factor inhibitor - for suppression of TNF-alpha and -beta, useful as therapeutic agent,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tumour necrosis factor; inhibitor; ss
                                                                                                                                 23-FEB-1995
                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                  a human
                                                                                                                                                                                                                                                                                                                                                                                                                                                            The sequence corresponds to bases 410-433 of AAQ10878. isolate clones contg. the sequence for the 30 kD TNF i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-JAN-1991.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SYNE-) SYNERGEN INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-JUL-1990;
                                                                                                                                                                                                                                                                                   424
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                                                                                                                                                                                                                                                        ATTTGCTGTACCAAGTGCCACAA 1
                                                                                                                                                                                                                                                                                                              l Similarity
23; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                genomic library.
                                                                                                                                                                                                                                                                                                                                                                              23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   standard;
                                                                                                                                                                                     Standard; DNA) 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   clone
                                                                                                                                                                                                                                                                                                        conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Page 49; 142pp;
                                                                                                                                                                                                                                                                                                                                                                             BP; 6 A; 4 C; 6 G; 7 T; 0 other
                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                 contg. the sequence for the 30 kD c library. The whole gene can be tors for prepn. of TNF inhibitor for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         89US-0381080
89US-0450329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    90US-0479661
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   encoding
                                                                                                   flanking sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23
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                                                                                                                                                                                                                                                                                                           Score 23; DB; Pred. No. 3.9
                                                                                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TNF inhibitor
                                                                                                                                                                                                                                                                                                                         DB 12;
3.9e+04;
                                                                                                                                                                                                                                                                                                                                       12;
                                                                                                                                                                                                                                                                                                                                                                                                                       diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                    for use
                                                                                                                                                                                                                                                                                                                                    Length 23;
                                                                                                                                                                                                                                                                                                                                                                                                                                 inserted into
                                                                                                                                                                                                                                                                                                                                                                                                                                                            TNF inhibitor from
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ID AAQ69119
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  point. Further analysis showed that a minimal promoter of 70 by still exhibited activity. Si nuclease digestion analysis of the RNA of the HeLa and U 937 cells with DNA probes indicated multiple start sites of transcription. It was found that the promoter sequence resembles promoters of house-keeping genes, eg. hypoxanthine phosphoribosyltransferase, EGF receptor, NGF receptor or the p55 IL-1 receptor. It is devoid of a TRATA box and of a CCAAT motif and is relatively rich in G/C in its 3' end. There is an even higher content of G/C residues in the proximally located, 5' end of the first intron. This region is also rich in the dinucleotide couple CpG, which may allow for differentiation-related changes in the promoter activity as a function of the extent of methylation of these nucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (TNF-R) gene. This isolated fragment was found to have promoter activity, shown by its ability to drive expression of the CAT reporter gene in both human HeLa cells and mouse A9 cells. Deletion constructs of this clone showed that promoter activity was confined to a 150 bp BglII-EcoRI fragment which included most of the transcription start
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI, 1384, 226810/28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kemper
                                             5' flanking region; p55 tumour necrosis factor receptor; TNF-R; promoter; CAT reporter gene; human; HeLa cell; mouse; A9 cell; transcription start point; S1 nucleation; U 937 cell; probe; multiple start sites of transcription; house-keeping gene; hypoxanthine phosphoribosyltransferase; EGF receptor; NGF receptor; p55 IL-1 receptor; TATA box; CCAAT motif; methylation; ss.
                                                                                                                                                                                                                                 AAQGOTT9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This sequence represents a probe for the isolation and sequencing the 5' flanking region of the p55 tumour necrosis factor receptor (TNF-R) gene. This isolated fragment was found to have promoter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Promoter sequence of the p55 TNF receptor - is used to diagnose mutations in the promoter region which contribute to pathology of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (YEDA ) YEDA RES & DEV CO L'ID.
               Synthetic
                                                                                                                                                                  p55 TNF-R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            diseases
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                   Standard; DNA; 23 BP
                                                                                                                                                                  gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Wallach
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP;
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                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                   (first entry)
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                                                                                                                                                               flanking sequence primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                      1.1%;
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                                                                                                                                                                                                                                                                                                                                                                                                                       0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        English.
                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 23;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 15;
3.9e+04;
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                                multiple transcription start sites of the 5. Flanking region of the p55 tumour necrosis factor receptor (PNF-R) gene. This isolated fragment was found to have promoter activity, shown by its ability to drive expression of the CAT reporter gene in both human HeLa cells and mouse A9 cells. Deletion constructs of this clone showed that promoter activity was confined to a 150 bp BglII-EcoRI fragment which included most of the transcription start point. Further analysis showed that a minimal promoter of 70 bp still exhibited activity. S1 nuclease dispestion analysis of the RNA of the HeLa and U 937 cells with DNA probes indicated multiple start sites of transcription. It was found that the promoter sequence resembles promoters of house-keeping genes, by hypoxanthine phosphoribosyl-transferase, EGF receptor, NGF receptor or the p55 II-1 receptor. It is devoid of a TATA box and of a CCANT motif and is relatively rich in G/C in its 3' end. There is an even higher content of G/C residues in the proximally located, 5' end of the first intron. This region is also rich in the dinucleotide couple CGG, which may allow for differentiation-related changes in the promoter activity as a function of the extent of methylation of these nucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                      This sequence is a primer which was used in the determination of the multiple transcription start sites of the 5' flanking region of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Promoter sequence of the p55 TNF receptor - is used to diagnose mutations in the promoter region which contribute to pathology \alpha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 3; Column 8; 14pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1994-226810/28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-JAN-1993;
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Sequence 23
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  BP; 5 A; 2 C; 10 G; 6 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        94EP-0100243
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0 other;
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Ş Matches Query Match
Best Local Similarity 122 agtctcaaccctcaactgtcacc 144 Conservative 1.1%; 0 .Score 23; pred. No. Mismatches DB 15; 3.9e+04 .9e+04; Length 23 0 Gaps 0

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RESULT 1 밁 AAZ48476 standard; 15 23 AGTCTCAACCCTCAACTGTCACC 1 DNA; 23

31-MAR-2000 AAZ48476; Human TNFR1 DNA (first entry) amplifying forward primer

Tumour necrosis facto inflammation; tumour factor receptor type 1; TNFR1; antisense; infection
umour formation; TNFR1; anticancer; PCR primer; ss.

28-DEC-1999 US6007995-A Homo sapiens

26-JUN-1998;

980S-0106038

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The investion provides antisense compounds targeted to human tumour necrosition receptor type 1 (TNFR1) RNA. These antisense compounds can be sufficient a method of inhibiting the expression of TNFR1 duman cells or tissues. The antisense compounds specifically hybridize with one or more nucleic acids encoding TNFR1 modulating the function of nucleic acid molecules encoding TNFR1 will industry modulating the amount of TNFR1 produced. The antisense compounds and method are useful as remained reagents and diagnostics, and in the treatment and prophylatis of infection, inflammation or tumour formation. The present sequence represents a primer for amplifying the human TNFR1 DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          diagnosis, treatment and prevention of disease, particularly tumors
                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 23 BP; 9 A; 8 C; 3 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 14; Column 28; 34pp; English.
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                                                                                                                                             26-JUN-1998;
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